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*date: Friday, February 09, 2001*

*to: T. Sheridan and T. Kirk*

*from: D. I. Lowenstein*

*subject: Update to Path for Booster Applications Facility Authorization*

## Memo

As per request by T. Sheridan, the plan for the path forward to authorize Collider-Accelerator Department to commission and operate the Booster Applications Facility was amended to include three additional steps from the Accelerator Safety Subject Area:

Step 18 – Deputy Director for Operations reviews and approves the Routine Operations Package.

Step 19 – Deputy Director for Operations submits advance copies of the final Accelerator Safety Envelope to Brookhaven Area Office for approval.

Step 25 - The Collider-Accelerator Department develops and incorporates an Unreviewed Safety Issues Checklist and procedure into the work planning and control processes for BAF.

The updated plan is attached.

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Copy to:

R. Karol  
P. Kelley  
E. Lessard  
A. McNerney  
P. Pile  
T. Roser

Milestone	Date
1. Collider-Accelerator Department defines path for authorization basis documents with Associate Laboratory Director for High Energy and Nuclear Physics, Deputy Director for Operations and Brookhaven Area Office concurrence	February 15, 2001
2. Collider-Accelerator Department develops Safety Assessment Document and Accelerator Safety Envelope for Booster Applications Facility. The Collider-Accelerator Department Accelerator Systems Safety Review and Radiation Safety Committees review these documents.	April 15, 2001
3. Associate Laboratory Director for High Energy and Nuclear Physics or designee submits Safety Assessment Document/Accelerator Safety Envelope for accelerator facility or module to BNL Environment, Safety and Health Committee	May 10, 2001
4. BNL Environment, Safety and Health Committee reviews and recommends to Deputy Director for Operations approval of Safety Assessment Document and Accelerator Safety Envelope for Booster Applications Facility	June 8, 2001
5. Collider-Accelerator Department develops Commissioning Plan and provides change controlled Commissioning Package to Deputy Director for Operations	April 1, 2002
6. Deputy Director for Operations reviews and approves Commissioning Package and provides advance copies to Brookhaven Area Office	April 15, 2002
7. Collider-Accelerator Department declares readiness for commissioning Booster Applications Facility	May 1, 2002
8. Deputy Director for Operations appoints Accelerator Readiness Review Team, and invites DOE-Brookhaven Area Office to name a member to the Accelerator Readiness Review Team	May 1, 2002
9. Accelerator Readiness Review Team develops Commissioning-specific Plan of Action to guide the Accelerator Readiness Review Team	May 15, 2002
10. Accelerator Readiness Review Team conducts review and recommends approval for commissioning to Deputy Director for Operations	July 1, 2002
11. Deputy Director for Operations forwards Accelerator Readiness Review Team report and any revisions to the Commissioning Package to Brookhaven Area Office and requests approval for commissioning	July 15, 2002

12. Brookhaven Area Office sends approval of Commissioning Package to Deputy Director for Operations; Deputy Director for Operations sends approval to Associate Laboratory Director for High Energy and Nuclear Physics and Collider-Accelerator Department Chair	August 1, 2002
13. Collider-Accelerator Department begins commissioning within boundaries defined in the fully change controlled Commissioning Package	October 1, 2002
14. Collider-Accelerator Department develops final Safety Assessment Document and Accelerator Safety Envelope for operating accelerator facility incorporating appropriate information obtained during commissioning. Due to the size and complexity of the Booster Applications Facility, no significant changes to the documents are expected.	October 1, 2002
15. Associate Laboratory Director for High Energy and Nuclear Physics or designee submits final Safety Assessment Document and Accelerator Safety Envelope to Laboratory Environment, Safety and Health Committee	October 1, 2002
16. Laboratory Environment, Safety and Health Committee reviews and recommends approval of Safety Assessment Document and Accelerator Safety Envelope for facility operations	October 15, 2002
17. Collider-Accelerator Department develops Routine Operations Plan and provides it and change controlled final versions of Safety Assessment Document and Accelerator Safety Envelope to Deputy Director for Operations	October 15, 2002
18. Deputy Director for Operations reviews and approves the Routine Operations Package.	November 1, 2002
19. Deputy Director for Operations submits advance copies of the final Accelerator Safety Envelope to Brookhaven Area Office for approval.	November 1, 2002
20. Collider-Accelerator Department Chair declares readiness for operations per Routine Operations Plan	November 1, 2002
21. Accelerator Readiness Review Team develops final Accelerator Readiness Review Team Plan of Action, conducts Accelerator Readiness Review Team per Plan of Action and recommends approval for routine operations to Deputy Director for Operations. Since the Booster Applications Facility is a straightforward accelerator module, the ARR Team may simply verify that Operational Readiness Review items from the commissioning phase are complete, and verify the Safety Assessment Document and Accelerator Safety Envelope used during commissioning are sufficient for operations	November 1, 2002

22. Deputy Director for Operations forwards change controlled final Safety Assessment Document, Accelerator Safety Envelope, and Accelerator Readiness Review Team report to Brookhaven Area Office and requests approval for operations	November 15, 2002
23. Brookhaven Area Office sends approval of final Accelerator Safety Envelope to Deputy Director for Operations	December 1, 2002
24. Collider-Accelerator Department makes appropriate Facility Use Agreement modifications	December 15, 2002
25. The Collider-Accelerator Department develops and incorporates an Unreviewed Safety Issues Checklist and procedure into work planning and control processes for BAF.	December 24, 2002
26. Deputy Director for Operations sends approval for routine operations to Associate Laboratory Director for High Energy and Nuclear Physics and Collider-Accelerator Department Chair	January 1, 2003